

January 1995

**VISIT TO THE APIA OBSERVATORY
WESTERN SAMOA**

13–16 December 1994

by

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Computer Systems Manager

During a visit to the Apia Observatory from Tuesday 13 to Friday 16 December 1994 inclusive, relevant upgrades and repairs were undertaken on three computer systems at the Observatory: The Climate System (CLIMATE), Seismic System (SEISMIC) and Offshore system (SOPAC). All are networked and provision has been made to connect a fourth unit. The repairs and upgrades are described below.

Equipment for upgrades was supplied under:

- . SOPACMAPS Data Distribution Project carried out by SOPAC under EU Lome III funding.
- . Local Area Network upgrade as per my recommendations 26 July 1994 under Western Samoa Government funds.

SOPAC

Computer: Compaq Prolinea 486DX/33 16MB RAM 245MB HDD

Printer: HP Laserjet 4 6MB RAM

Other: APC 600VA Smart UPS

- . Extra 4 MB SIMM added to Laserjet to give 6MB total.
- . Extra 8 MB SIMM added to Compaq to give 16MB total.
- . Intel EtherExpress 16 NIC installed
- . Windows for Workgroups 3.11 installed
- . Creative Labs CD-ROM and 16 bit Audio Card installed
- . CD-ROM software and Audio software installed
- . Grolier Encyclopedia CD-ROM software installed
- . Microsoft Office 4.3 Professional installed as an upgrade
 - . Word for Windows 6.0a
 - . Excel 5.0
 - . PowerPoint 4.0
 - . Access 2.0
- . MapInfo 3.0 and sample data installed
- . Upgraded McAfee Anti-virus to v211
- . HP Laserjet 4 printer driver set to **600 dpi, page protection A4**

SEISMIC

Computer: Swan 486SX/25 8MB RAM 167MB HDD

Printer: Panasonic KX-P1123

Other: Telebit Worldblazer modem

- . Extra 4 MB SIMM added to give 8MB total.
- . Replaced faulty mother board with one purchased from Pacific Computers where the 486SX/25 processor was retained and the 8 x 1MB 30 pin SIMMs were exchanged for 2 x **4MB** 72 pin SIMMs. There was noticeable speed improvement with 'wider' memory.
- . Intel EtherExpress 16 NIC installed
- . Windows for Workgroups 3.11 installed
- . Microsoft Office 4.3 Professional installed as an upgrade
 - . Word for Windows 6.0a
 - . Excel 5.0
 - . PowerPoint 4.0
 - . Access 2.0
- . MapInfo 3.0 and sample data installed

- Upgraded McAfee Anti-virus to v211
- HP Laserjet 4 printer driver set to 600 dpi, page protection A4

CLIMATE

Computer: Compaq 386SX/20s 6MB RAM 60MB HDD connected to docking station

Printer: HP Deskjet 500

Other:

- Extra 4 MB PCMCIA memory module added to give 6MB total
- Floppy drive cleaned extensively to get it working
- Intel EtherExpress 16 NIC installed
- Windows for Workgroups 3.11 installed
- Upgraded McAfee Anti-virus to v211
- Reinstalled HP Deskjet Windows driver from WfW 3.11
- HP Laserjet 4 printer driver set to 600 dpi, page protection A4

General

- Laserjet 4 printer connected to SOPAC set as shared printer
- HP Deskjet 500 connected to CLIMATE set as shared printer
- Shared directory SHARE placed on each machine
- All software stored in disk boxes and stored in airconditioned room

Training

Training in network installation with Windows for Workgroups on Thinlan provided as well as upgrade procedures and use of Microsoft Office 4.3 Professional and MapInfo 3.0.

Logging-in

Users can login to each machine as:

Name	Password
SOPAC	SOPAC
CLIMATE	CLIMATE
SEISMIC	SEISMIC

Mail

The WorkGroup Post Office (WGPO) has been set up on SOPAC in the shared directory C:\WINDOWS\WGPO and is administered by Ause.

Multiple users can connect to this postoffice from SEISMIC

Name	Mailbox	Password	Machine
Ause	Ause	Ause	SOPAC
Faatoia	Faatoia	Faatoia	SEISMIC
Lameko	Lameko	Lameko	SEISMIC
Tumua	Tumua	Tumua	SEISMIC
Niko	Niko	Niko	SEISMIC
Sam	Sam	Sam	CLIMATE

See Workgroup User's Guide Chapter 4 and Appendix A and file MSMAIL.WRI in C:\WINDOWS directory for connecting multiple users on one machine.

Fax

Faxes can be sent from SEISMIC which has a Telebit modem connected to it or from other machines following setup of network faxes using Fax icon in Control Panel.

RECOMMENDATIONS

1. Arrange photocopies of Windows for Workgroups 3.11 User's Guide to be made available to all users.
2. Arrange photocopy of MapInfo 3.0 User's guide to be made available to appropriate users.
3. Create and distribute via network a common set of organisation document templates:
 - Letterhead
 - Faxhead
 - internal memo
 - internal report
 - External report
4. Arrange training for identified users in the Microsoft Office suite of applications. Pacificque Computers could be a provider for this service.
5. Request SOPAC to provide fellowship attachment (conditional on available funds) for suitably motivated and qualified staff member to be fully familiar with Windows for Workgroups 3.11 networking and its successor, Windows 95, as well as integrating it with Windows NT.
6. Purchase 486 desktop computer with following specifications to replace Compaq LTE 386s/20 notebook (Climate System) which has insufficient processing power, RAM or hard disk capacity to run Windows applications. (see Attachment A)
 - 486DX 100 processor
 - 16 MB RAM
 - 1 MB Video RAM - 1024 x 768 x 256 colour resolution
 - 1.44 MB floppy drive
 - 525 MB minimum hard drive
 - 15 inch non interlaced 1024 x 768 monitor 0.28 mm minimum pixel pitch
 - Mouse, DOS 6.22, Windows for Workgroups 3.11 included
 - Warranty: 3 years parts, 1 year labour
7. Purchase A3 digitising tablet (see Attachment A). Note that Virtual Tablet Interface manual and disk has been provided to allow ease of digitising under MapInfo.

ATTACHMENT A
UPGRADE OF CLIMATE SYSTEM COMPUTER

RECOMMENDATION FOR UPGRADE OF CLIMATE INFORMATION SYSTEM
APIA OBSERVATORY, WESTERN SAMOA

UPGRADE - DETAILED EQUIPMENT LIST

NO.	ITEM	SUPPLIER CODE	UNIT AUD	TOTAL AUD
HARDWARE DESKTOP				
	1 Compaq Prolinea 4/100	AT	3,300.00	3,300.00
	486DX4 100MHZ 16MB RAM 540MB hard drive			
	MS DOS 6.2, Windows for Workgroups 3.11			
	mouse, mouse mat			
	1 Compaq 15" monitor	AT	800.00	800.00
				4,100.00
HARDWARE DIGITISER				
	1 Summasketch III A3 tablet and 4 button cursor	AT	950.00	950.00
				950.00
ACCESSORIES				
	1 APC Smart UPS 600 VA	AT	650.00	650.00
	1 Swain power board with spike suppression	AT	35.00	35.00
				685.00
	TOTAL			5,735.00

UPGRADE - SUMMARY BY EQUIPMENT

	AUD	WST	USD
Hardware desktop	4,100	7,734	3,213
Hardware digitiser	950	1,792	744
Accessories	685	1,292	537
Freight estimate 8%	459	865	360
TOTAL	6,194	11,684	4,854

EXCHANGE RATES - 12 DEC 94

1 WST =	0.5301 AUD
1 WST =	0.4154 USD

SUPPLIER CODES

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